

HETEROJUNCTION BI-POLAR TRANSISTORS

Part Number (RF Specifications @ 2 GHz)	Freq. Range (MHz)	SS Gain (dB)	Pout @ -1dB (dBm)	OIP3 (dBm)	Noise Figure (dB)	Return Loss		Supply Voltage (VDC)	Ic (mA)	Package
						INPUT (-dB)	OUTPUT (-dB)			
HBT GAIN BLOCKS										
GSA-503-89	0.01 ~ 3500	20	+16	+25	3.5	15	15	+5.0	48	SOT89
GSA-504-12	0.01 ~ 4000	20	+15	+27	3.6	15	15	+5.0	48	12
GSA-603-12	0.01 ~ 3500	18	+16	+28	3.8	15	15	+6.0	48	12
GSA-606-12	0.01 ~ 7000	15	+15	+28	4.0	15	15	+6.0	48	12
GSA-612-12	0.01 ~ 12000	12	+12	+27	5.5	15	15	+6.0	48	12
GSA-804-89	0.01 ~ 4000	12.5	+20	+40	4.5	15	15	+8.0	95	SOT89
GSA-804-12	0.01 ~ 4000	12.5	+20	+40	4.5	15	15	+8.0	95	12

HETEROSTRUCTURE FIELD-EFFECT TRANSISTORS

Part Number (RF Specifications @ 2 GHz)	Freq. Range (MHz)	SS Gain (dB)	Pout @ -1dB (dBm)	OIP3 (dBm)	Noise Figure (dB)	Return Loss		Supply Voltage (VDC)	Ic (mA)	Package
						INPUT (-dB)	OUTPUT (-dB)			
HFET GAIN BLOCKS										
GSF-504-89	0.01 ~ 4000	13	+24	+40	3.3	6	14	+5.0	150	SOT89
GSF-504-12	0.01 ~ 4000	13.5	+24	+40	3.0	7	15	+5.0	150	12
HFET MEDIUM POWER DEVICES										
GSF-501-08	50 ~ 1000	13.5**	+25	+43**	4.5	12**	17**	+5.0	320**	SOIC8
GSH-904-89	0.01 ~ 4000	13	+27*	+41*	3.5	15*	15*	+9.0	100	SOT89
GSH-912-12	0.01 ~ 12000	13	+27*	+41*	3.5	15*	15*	+9.0	100	12

Devices marked with (*) require external matching circuits

Devices marked with (**) are rated in a 75-ohm, push-pull CATV circuit, also usable in 50-ohm system with external matching

Also available in die form as a GSA-xxx-00, GSF-xxx-00, or GSH-xxx-00. See Short Form Catalog for performance details.